

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-22 19:04:10

Date of Next Testing: 2028-10-21 19:04:10

Product Name: (-)-trans-Caryophyllene

CAS Number: 87-44-5

Specifications & Purity: ≥98%

Lot #: J2521765

SKU #: T334030

Version: 2

Analysis #: 583419

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.47300 %
specific rotation $[\alpha]_{20/D}(c=Neat)$	-12~-7 (°)	-10.75500 °
Appearance(T334030)	Colorless to Light yellow clear liquid	Colorless to Light yellow clear liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Mass spectrum	Confirmed	Confirmed



John Su
QA & QC Manager